**Biotechnology Product Criminal Profile - Instructions and Rubric**

Modified from an assignment created by Mrs. Wilson-Keys

**Purpose**: In this profile, you will research a particular product in medicine, industry, etc. that has been created using biotechnology. You will create a criminal profile that showcases information about your product.

In your profile, you will be required to include the following information.

1) **Suspect Name and Possible Aliases**: Provide the name of the product and any alternate names that you come across in your research.

2) **Nature of the Crime**: Describe the use(s) of your chosen product

3) **Events Leading up to the Crime:** Explain of how this product is made (i.e. what chemicals are used / what process is used?)

4) **Accomplices:** Identify the manufacturer of the product and any scientists involved in discovering / creating the product

5) **Sketch:** Draw a rough picture of the product based on descriptions and/or images found in your research.

Choose one of the following biotech products to research. You may select a product that isn’t on the list with pre-approval from your teacher.

Activase

AlgaBerry

Avastin

Avonex

Beano

BIOchem Additives

BioLume

Bollgard Insect-Protected Cotton

BT-VACC

Chymogen

Depol 686L

Dyneema Purity

EPOGEN

FlvrSavr Tomatoes

HFCS42

Humulin

IndiAge

NMR LipoProfileÂ

Premise 75

Protex

Recombivax

Rocephin

Round-up Ready Corn

SmartWasher with OzzyMat

Spirizyme

Versazyme

Videx

XenoMouse

**Rubric:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category** | **You Got It!** | **You’re Almost There!** | **You Need to Make Some Changes!** | **Your Score** |
| Uses of the Product | Your description of the uses of the product meets all three of the following criteria: clarity, accuracy, and thoroughness.  (3 points) | Your description of the uses of the product meets two of the following criteria: clarity, accuracy, and thoroughness.  (2 points) | Your description of the uses of the product meets one or none of the following criteria: clarity, accuracy, and thoroughness.  (1 point) | /3 |
| How the Product is Made | Your description of how the product is made includes information about the materials / chemicals used to make the product AND the process used. Your description meets all three of the following criteria: clarity, accuracy, and thoroughness.  (3 points) | Your description of how the product is made includes information about either the materials / chemicals used OR the process used and meets only two of the following criteria: clarity, accuracy, and thoroughness. OR… Your description includes information about both the materials / chemicals used BUT meets only one of the following criteria: clarity, accuracy, and thoroughness.  (2 points) | Your description of how the product is made is missing information about the materials / chemicals used AND/OR the process used and meets one or none of the following criteria: clarity, accuracy, and thoroughness.  (1 point) | /3 |
| Accomplices | You have clearly identified the manufacturer of the product or the scientist who first discovered / developed the product.  (1 point) | \*\*\*No middle category: You either got the point or you didn’t!\*\*\* | You have not clearly identified the manufacturer of the product or the scientist who first discovered / developed the product.  (0 points) | /1 |
| Sketch | Your sketch is accurate and /or is creative (but still relates to the product).  (2 points) | Your sketch is inaccurate or creative but lacks a connection to the product.  (1 point) | You have not included a sketch.  (0 points) | /2 |

**Total: \_\_\_\_\_ / 9 = \_\_\_\_\_**

**Wanted for Biotechnological Activity – Call police immediately… do not approach!**

**Suspect Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Possible Aliases: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Sketch:

Accomplices:

Events Leading Up to the Crime:

Nature of the Crime: